

Matanuska-Susitna Soil Survey Area
1990 Frozen HEL list for out-of-date Matanuska Valley Area Soil Survey

C=0.08 R=20

Symbol	Map Unit Name	Wind	Water	Mapunit
--	--	--	--	
AcC	ANCHORAGE SAND, UNDULATING TO ROLLING	NHEL	NHEL	NHEL
AcE	ANCHORAGE SAND, HILLY TO STEEP	NHEL	PHEL	PHEL
AhA	ANCHORAGE SILT LOAM, NEARLY LEVEL	HEL	NHEL	HEL
AnB	ANCHORAGE VERY FINE SANDY LOAM, UNDULATING	HEL	PHEL	HEL
AnC	ANCHORAGE VERY FINE SANDY LOAM, ROLLING	HEL	PHEL	HEL
AnD	ANCHORAGE VERY FINE SANDY LOAM, HILLY	HEL	HEL	HEL
AnE	ANCHORAGE VERY FINE SANDY LOAM, MODERATELY STEEP	HEL	HEL	HEL
BbA	BODENBURG SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL
BbB	BODENBURG SILT LOAM, UNDULATING	NHEL	NHEL	NHEL
BbC	BODENBURG SILT LOAM, ROLLING	NHEL	PHEL	PHEL
BbD	BODENBURG SILT LOAM, HILLY	NHEL	PHEL	PHEL
BdA	BODENBURG VERY FINE SANDY LOAM, NEARLY LEVEL (BODENBURG VARIANT)	NHEL	NHEL	NHEL
BdB	BODENBURG VERY FINE SANDY LOAM, UNDULATING (BODENBURG VARIANT)	NHEL	NHEL	NHEL
BdC	BODENBURG VERY FINE SANDY LOAM, ROLLING (BODENBURG VARIANT)	NHEL	PHEL	PHEL
BdD	BODENBURG VERY FINE SANDY LOAM, HILLY (BODENBURG VARIANT)	NHEL	PHEL	PHEL
BdE	BODENBURG VERY FINE SANDY LOAM, MODERATELY STEEP (BODENBURG VARIANT)	NHEL	PHEL	PHEL
BkF	BODENBURG AND KNIK SILT LOAMS, STEEP	PHEL	HEL	HEL
Cl	CLUNIE PEAT	NHEL	NHEL	NHEL
CoE	COAL CREEK SILT LOAM (COAL CREEK VARIANT)	NHEL	NHEL	NHEL
Cs	COAL CREEK STONY SILT LOAM (COAL CREEK VARIANT STONY)	NHEL	NHEL	NHEL
Ct	CHENA SILT LOAM	HEL	NHEL	HEL
DeA	DOONE SILT LOAM, NEARLY LEVEL (BODENBURG TAXADJUNCT)	NHEL	NHEL	NHEL
DeB	DOONE SILT LOAM, UNDULATING (BODENBURG TAXADJUNCT)	NHEL	NHEL	NHEL
DeC	DOONE SILT LOAM, ROLLING (BODENBURG TAXADJUNCT)	NHEL	PHEL	PHEL
DkD	DOONE AND KNIK SILT LOAMS, HILLY (BODENBURG TAXADJUNCT AND KNIK)	PHEL	PHEL	PHEL

Matanuska-Susitna Soil Survey Area
1990 Frozen HEL list for out-of-date Matanuska Valley Area Soil Survey

		C=0.08	R=20	
DkE	DOONE AND KNIK SILT LOAMS, MODERATELY STEEP (BODENBURG TAXADJUNCT AND KNIK)	PHEL	HEL	HEL
DkF	DOONE AND KNIK SILT LOAMS, STEEP (BODENBURG TAXADJUNCT AND KNIK)	PHEL	HEL	HEL
FhA	FLAT HORN SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL
FhB	FLAT HORN SILT LOAM, UNDULATING	NHEL	NHEL	NHEL
FhC	FLAT HORN SILT LOAM, ROLLING	NHEL	PHEL	PHEL
FhE	FLAT HORN SILT LOAM, HILLY TO STEEP	NHEL	PHEL	PHEL
HoA	HOMESTEAD SILT LOAM, NEARLY LEVEL (KASHWITNA TAXADJUNCT)	HEL	NHEL	HEL
HoB	HOMESTEAD SILT LOAM, UNDULATING (KASHWITNA TAXADJUNCT)	HEL	PHEL	HEL
HoC	HOMESTEAD SILT LOAM, ROLLING (KASHWITNA TAXADJUNCT)	HEL	PHEL	HEL
HoD	HOMESTEAD SILT LOAM, HILLY (KASHWITNA TAXADJUNCT)	HEL	HEL	HEL
HoE	HOMESTEAD SILT LOAM, MODERATELY STEEP (KASHWITNA TAXADJUNCT)	HEL	HEL	HEL
HoF	HOMESTEAD SILT LOAM, STEEP (KASHWITNA TAXADJUNCT)	HEL	HEL	HEL
HsA	HOMESTEAD SILT LOAM, VERY SHALLOW, NEARLY LEVEL	HEL	NHEL	HEL
HsB	HOMESTEAD SILT LOAM, VERY SHALLOW, UNDULATING	HEL	PHEL	HEL
HsC	HOMESTEAD SILT LOAM, VERY SHALLOW, ROLLING	HEL	PHEL	HEL
HsD	HOMESTEAD SILT LOAM, VERY SHALLOW, HILLY	HEL	HEL	HEL
HsE	HOMESTEAD SILT LOAM, VERY SHALLOW, MODERATELY STEEP	HEL	HEL	HEL
HsF	HOMESTEAD SILT LOAM, VERY SHALLOW, STEEP	HEL	HEL	HEL
JaA	JACOBSEN VERY STONY SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL
JaB	JACOBSEN VERY STONY SILT LOAM, GENTLY SLOPING	NHEL	NHEL	NHEL
JbD	JIM AND BODENBURG SILT LOAMS, HILLY	NHEL	PHEL	PHEL
JbF	JIM AND BODENBURG SILT LOAMS, STEEP	NHEL	HEL	HEL
KaA	KALIFONSKY SILT LOAM, NEARLY LEVEL (KALIFONSKY VARIANT)	NHEL	NHEL	NHEL
KaC	KALIFONSKY SILT LOAM, GENTLY TO MODERATELY SLOPING (KALIFONSKY VARIANT)	NHEL	PHEL	PHEL
KaE	KALIFONSKY SILT LOAM, STRONGLY SLOPING TO STEEP (KALIFONSKY VARIANT)	NHEL	PHEL	PHEL
KeB	KENAI SILT LOAM, UNDULATING (KENAI VARIANT)	HEL	PHEL	HEL
KnA	KNIK SILT LOAM, NEARLY LEVEL	HEL	NHEL	HEL

Matanuska-Susitna Soil Survey Area
1990 Frozen HEL list for out-of-date Matanuska Valley Area Soil Survey

		C=0.08	R=20	
KnB	KNIK SILT LOAM, UNDULATING	HEL	PHEL	HEL
KnC	KNIK SILT LOAM, ROLLING	HEL	PHEL	HEL
KnD	KNIK SILT LOAM, HILLY	HEL	HEL	HEL
KnE	KNIK SILT LOAM, MODERATELY STEEP	HEL	HEL	HEL
KnF	KNIK SILT LOAM, STEEP	HEL	HEL	HEL
Ma	MATANUSKA SILT LOAM	HEL	NHEL	HEL
Mr	MOOSE RIVER SILT LOAM (MOOSE RIVER TAXADJUNCT)	NHEL	NHEL	NHEL
NaA	NANCY SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL
NaB	NANCY SILT LOAM, UNDULATING	NHEL	NHEL	NHEL
NaC	NANCY SILT LOAM, ROLLING	NHEL	PHEL	PHEL
NaD	NANCY SILT LOAM, HILLY	NHEL	PHEL	PHEL
NaE	NANCY SILT LOAM, MODERATELY STEEP	NHEL	HEL	HEL
NpA	NAPTOWNE SILT LOAM, NEARLY LEVEL	HEL	NHEL	HEL
NpB	NAPTOWNE SILT LOAM, UNDULATING	HEL	PHEL	HEL
NpC	NAPTOWNE SILT LOAM, ROLLING	HEL	PHEL	HEL
NpD	NAPTOWNE SILT LOAM, HILLY	HEL	HEL	HEL
NpE	NAPTOWNE SILT LOAM, MODERATELY STEEP	HEL	HEL	HEL
NpF	NAPTOWNE SILT LOAM, STEEP	HEL	HEL	HEL
Ns	NIKLASON SILT LOAM	HEL	NHEL	HEL
Nv	NIKLASON VERY FINE SAND	NHEL	NHEL	NHEL
Re	REEDY SILT LOAM	NHEL	NHEL	NHEL
Sa	SALAMATOF PEAT	NHEL	NHEL	NHEL
Sf	SALAMATOF PEAT, EVER FROZEN VARIANT	NHEL	PHEL	PHEL
ShA	SCHROCK SILT LOAM, NEARLY LEVEL (SCHROCK VARIANT)	NHEL	NHEL	NHEL
ShB	SCHROCK SILT LOAM, UNDULATING (SCHROCK VARIANT)	NHEL	NHEL	NHEL
Sm	SLIKOK MUCKY SILT LOAM	NHEL	NHEL	NHEL
Sn	SLIKOK STONY MUCKY SILT LOAM (JACOBSEN TAXADJUNCT)	NHEL	NHEL	NHEL

Matanuska-Susitna Soil Survey Area
1990 Frozen HEL list for out-of-date Matanuska Valley Area Soil Survey

		C=0.08	R=20	
SpA	SPENARD SILT LOAM, NEARLY LEVEL	HEL	NHEL	HEL
SpB	SPENARD SILT LOAM, GENTLY SLOPING	HEL	PHEL	HEL
Su	SUSITNA SILT LOAM	NHEL	NHEL	NHEL
Sv	SUSITNA VERY FINE SAND	NHEL	NHEL	NHEL
SwA	SUSITNA AND NIKLASON VERY FINE SANDS, OVERFLOW, 0 TO NHEL PERCENT SLOPES	NHEL	NHEL	NHEL
TaE	TALKEETNA SILT LOAM, MODERATELY STEEP TO STEEP	HEL	HEL	HEL
ToA	TORPEDO LAKE SILT LOAM, NEARLY LEVEL	NHEL	NHEL	NHEL
ToB	TORPEDO LAKE SILT LOAM, GENTLY SLOPING	NHEL	NHEL	NHEL
ToC	TORPEDO LAKE SILT LOAM, MODERATELY SLOPING	NHEL	NHEL	NHEL
ToD	TORPEDO LAKE SILT LOAM, STRONGLY SLOPING	NHEL	NHEL	NHEL
TpB	TORPEDO LAKE - HOMESTEAD SILT LOAMS, UNDULATING (TORPEDO LAKE - KASHWITNA TAXADJUNCT)	PHEL	PHEL	PHEL
TpC	TORPEDO LAKE - HOMESTEAD SILT LOAMS, ROLLING (TORPEDO LAKE - KASHWITNA TAXADJUNCT)	PHEL	PHEL	PHEL
TpD	TORPEDO LAKE - HOMESTEAD SILT LOAMS, HILLY (TORPEDO LAKE - KASHWITNA VARIANT)	PHEL	PHEL	PHEL
TpE	TORPEDO LAKE - HOMESTEAD SILT LOAMS, MODERATELY STEEP (TORPEDO LAKE - KASHWITNA VARIANT)	PHEL	PHEL	PHEL
Wa	WASILLA SILT LOAM	NHEL	NHEL	NHEL

NHEL = not highly erodible

PHEL = potentially highly erodible

HEL = highly erodible